



P4/09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/763,335

DATE: 08/26/2002
TIME: 14:19:20

Input Set : A:\pf0572usn_seqlist.txt
Output Set: N:\CRF3\08262002\I763335.raw

ENTERED

```

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5     TANG, Y. Tom
6     CORLEY, Neil C.
7     PATTERSON, Chandra
8     GUEGLER, Karl J.
9     BAUGHN, Mariah R.
11 <120> TITLE OF INVENTION: CELL SIGNALING PROTEINS
13 <130> FILE REFERENCE: PF-0572 PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/763,335
C--> 16 <141> CURRENT FILING DATE: 2002-08-26
18 <150> PRIOR APPLICATION NUMBER: 09/137,945; unassigned; 09/137,578; unassigned
W--> 19 <151> PRIOR FILING DATE: 1998-08-21; 1998-08-21; 1998-08-21; 1998-08-21
21 <160> NUMBER OF SEQ ID NOS: 5
23 <170> SOFTWARE: PERL Program
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 147
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <223> OTHER INFORMATION: Incyte Clone No: 999661
34 <400> SEQUENCE: 1
35 Met Leu Thr Phe Leu Pro Pro Pro Trp Ala Gly Ile Gly Arg Leu
36   1               5               10               15
37 Ile Ala Glu Cys His Leu Asn Pro Ile Ile Leu Pro Leu Trp His
38               20               25               30
39 Val Gly Glu Pro Gly Asp Gly Asp Arg Glu Met Ala Ser Gly Val
40               35               40               45
41 Gly Gly Leu Gly Leu Pro Leu Val Pro Gly Cys Pro Ala Pro Pro
42               50               55               60
43 His Val Trp Pro Ser Val His Cys Ala Ala Gly Met Asn Asp Val
44               65               70               75
45 Leu Pro Asn Ser Pro Pro Tyr Phe Pro Arg Phe Gly Gln Lys Ile
46               80               85               90
47 Thr Val Leu Ile Gly Lys Pro Phe Ser Ala Leu Pro Val Leu Glu
48               95              100              105
49 Arg Leu Arg Ala Glu Asn Lys Ser Ala Val Glu Met Arg Lys Ala
50              110              115              120
51 Leu Thr Asp Phe Ile Gln Glu Glu Phe Gln His Leu Lys Thr Gln
52              125              130              135
53 Ala Glu Gln Leu His Asn His Leu Gln Pro Gly Arg
54              140              145
59 <210> SEQ ID NO: 2

```

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/763,335

TIME: 14:19:20

Input Set : A:\pf0572usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763335.raw

60 <211> LENGTH: 133
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Homo sapiens
 64 <220> FEATURE:
 65 <221> NAME/KEY: misc_feature
 66 <223> OTHER INFORMATION: Incyte Clone No: 1415354
 68 <400> SEQUENCE: 2
 69 Met Ala Met Val Ser Ala Met Ser Trp Val Leu Tyr Leu Trp Ile
 70 1 5 10 15
 71 Ser Ala Cys Ala Met Leu Leu Cys His Gly Ser Leu Gln His Thr
 72 20 25 30
 73 Phe Gln Gln His His Leu His Arg Pro Glu Gly Gly Thr Cys Glu
 74 35 40 45
 75 Val Ile Ala Ala His Arg Cys Cys Asn Lys Asn Arg Ile Glu Glu
 76 50 55 60
 77 Arg Ser Gln Thr Val Lys Cys Ser Cys Leu Pro Gly Lys Val Ala
 78 65 70 75
 79 Gly Thr Thr Arg Asn Arg Pro Ser Cys Val Asp Ala Ser Ile Val
 80 80 85 90
 81 Ile Gly Lys Trp Trp Cys Glu Met Glu Pro Cys Leu Glu Gly Glu
 82 95 100 105
 83 Glu Cys Lys Thr Leu Pro Asp Asn Ser Gly Trp Met Cys Ala Thr
 84 110 115 120
 85 Gly Asn Lys Ile Lys Thr Thr Arg Ile His Pro Arg Thr
 86 125 130

91 <210> SEQ ID NO: 3
 92 <211> LENGTH: 1705
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Homo sapiens
 96 <220> FEATURE:
 97 <221> NAME/KEY: misc_feature
 98 <223> OTHER INFORMATION: Incyte Clone No: 999661
 100 <400> SEQUENCE: 3

101 ggctttccca gcaagcaggg actgaggggg atagtcccca acacatgggc cccagggaga 60
 102 agggcctgtt tcattgaggt ttggagagtg ttgagggtaa gctaacctgt caccacacgc 120
 103 ccccgagaat gggtactgat agggagaggg cttttccttg caggagatgg cgtctaccag 180
 104 aaggggatgg acttcatttt ggagaagctc aaccatgggg actgggtgca tatcttccca 240
 105 gaaggtcagc agggctgact gggctgagcc ccccagtat gagcgggatg ggctcccaag 300
 106 cctgcctctc gtgctctctc accaggaaa gtgaacatga gttccgaatt cctgcgtttc 360
 107 aagtggggta agggctgctg gtctctggcc acagccatcc tcccggccca gagatggccc 420
 108 tgtgggcccc tggctccgc cccctcgggc tggctgtat ggggtagat gggcgtgttt 480
 109 gtagcgccag gaaggggaca ggtgctgaga ctaggcctgc ctctcgacag ggcttgccca 540
 110 agggagctga attgaactgg aggatgtcgg ggggtggcagt ggccagagggc tggcacagaa 600
 111 gcttggctca gggcccagct tatgctaaca tttctacctc cccctggggc aggaatcggg 660
 112 cgcctgattg ctgagtgtca tctcaacccc atcatcctgc ccctgtggca tgcggtgag 720
 113 cctggggacg gggacagaga gatggcatct ggggtggggg gcctgggact ccctctggtc 780
 114 ccaggctgcc ctgctccacc ccacgtctgg ccttctgtcc actgtgctgc aggaatgaat 840
 115 gacgtccttc ctaacagtcc gccctacttc ccccgctttg gacagaaaat cactgtgctg 900
 116 atcggaagc ccttcagtgc cctgcctgta ctcgagcggc tccgggcgga gaacaagtcg 960

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/763,335

TIME: 14:19:20

Input Set : A:\pf0572usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763335.raw

```

117 gctgtggaga tgcggaaagc cctgacggac ttcattcaag aggaattcca gcatctgaag 1020
118 actcaggcag agcagctcca caaccacctc cagcctggga gataggcctt gcttgctgcc 1080
119 ttctggattc ttggcccgca cagagctggg gctgagggat ggactgatgc ttttagctca 1140
120 aacgtggctt ttgacagat ttgttcatag accctctcaa gtgccctctc cgagctggta 1200
121 ggcattccag ctctctcgtg cttcctcagt tacacaaagg acctcagctg cttctccac 1260
122 ttggccaagc agggaggaag aagcttaggc agggctctct ttccttcttg ccttcagatg 1320
123 ttctctccca ggggctggct tcaggaggga gcatagaagg caggtagagca accagttggc 1380
124 taggggagca gggggccac cagagctgtg gagaggggac cctaagactc ctggccttg 1440
125 ctctaccca ccgcccttg cgaaccagga gctgctcact acctcctcag gtgggccgca 1500
126 ggcgggaaaa gcagcccttg gccagaagtc aagcccagcc acgtggagcc tagagtgagg 1560
127 gcctgaggtc tggctgcttg ccccatgct ggcgccaaca acttctccat cctttctgcc 1620
128 tctcaacatc acttgaatcc tagggccttg gttttcatgt ttttgaaaca gaaccataaa 1680
129 gcatatgtgt tgggcaaaaa gggtt 1705

```

132 <210> SEQ ID NO: 4

133 <211> LENGTH: 812

134 <212> TYPE: DNA

135 <213> ORGANISM: Homo sapiens

137 <220> FEATURE:

138 <221> NAME/KEY: misc_feature

139 <223> OTHER INFORMATION: Incyte Clone No: 1415354

141 <400> SEQUENCE: 4

```

142 cactggagtg gggatggtcc atcggaact ataaactgat tctcatcagg aaactgcaca 60
143 ttatctcccc atcacttcaa aggtctcgtc aggcagaggt gacgccagga gatgatttaa 120
144 aggtgaaaat gacaaggttt ccacccctca aaccttggt ccttttctga caatacagtc 180
145 tgaatgaacc cgatgtcttt ttttttactg tggaaatagg atcggaagag agtaacattt 240
146 tttttttaat cctgataaag aagattgttg ggaagctctt tgaaaaaaa ttttaaattg 300
147 tggcacagat ggatttttaa aagtgttaga tctttccaat gaacactaat agagtactct 360
148 gctcttggct ggatttttca gagaatggca atggtctctg cgatgtcctg ggtcctgtat 420
149 ttgtggataa gtgcttgtgc aatgctactc tgccatggat cccttcagca cactttccag 480
150 cagcatcacc tgcacagacc agaaggagg acgtgtgaag tgatagcagc acaccgatgt 540
151 tgtaacaaga atcgcatgga ggagcgggtc caaacagtaa agtgttcctg tctacctgga 600
152 aaagtggctg gaacaacaag aaaccggcct tcttgctcg atgcctccat agtgattggg 660
153 aaatgggtgt gtgagatgga gccttgcta gaaggagaag aatgtaagac actccctgac 720
154 aattctggat ggatgtgcgc aacaggcaac aaaattaaga ccacgagaat tcacccaaga 780
155 acctaacaga agcatttgtg gtagtaaagg aa 812

```

158 <210> SEQ ID NO: 5

159 <211> LENGTH: 292

160 <212> TYPE: PRT

161 <213> ORGANISM: Homo sapiens

163 <220> FEATURE:

164 <221> NAME/KEY: misc_feature

165 <223> OTHER INFORMATION: GenBank ID No: 1263110

167 <400> SEQUENCE: 5

```

168 Met Pro Leu His Val Lys Trp Pro Phe Pro Ala Val Pro Pro Leu
169 1 5 10 15
170 Thr Trp Thr Leu Ala Ser Ser Val Val Met Gly Leu Val Gly Thr
171 20 25 30
172 Tyr Ser Cys Phe Trp Thr Lys Tyr Met Asn His Leu Thr Val His
173 35 40 45

```

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/763,335

TIME: 14:19:20

Input Set : A:\pf0572usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763335.raw

174	Asn	Arg	Glu	Val	Leu	Tyr	Glu	Leu	Ile	Glu	Lys	Arg	Gly	Pro	Ala
175					50					55					60
176	Thr	Pro	Leu	Ile	Thr	Val	Ser	Asn	His	Gln	Ser	Cys	Met	Asp	Asp
177					65					70					75
178	Pro	His	Leu	Trp	Gly	Ile	Leu	Lys	Leu	Arg	His	Ile	Trp	Asn	Leu
179					80					85					90
180	Lys	Leu	Met	Arg	Trp	Thr	Pro	Ala	Ala	Ala	Asp	Ile	Cys	Phe	Thr
181					95					100					105
182	Lys	Glu	Leu	His	Ser	His	Phe	Phe	Ser	Leu	Gly	Lys	Cys	Val	Pro
183					110					115					120
184	Val	Cys	Arg	Gly	Ala	Glu	Phe	Phe	Gln	Ala	Glu	Asn	Glu	Gly	Lys
185					125					130					135
186	Gly	Val	Leu	Asp	Thr	Gly	Arg	His	Met	Pro	Gly	Ala	Gly	Lys	Arg
187					140					145					150
188	Arg	Glu	Lys	Gly	Asp	Gly	Val	Tyr	Gln	Lys	Gly	Met	Asp	Phe	Ile
189					155					160					165
190	Leu	Glu	Lys	Leu	Asn	His	Gly	Asp	Trp	Val	His	Ile	Phe	Pro	Glu
191					170					175					180
192	Gly	Lys	Val	Asn	Met	Ser	Ser	Glu	Phe	Leu	Arg	Phe	Lys	Trp	Gly
193					185					190					195
194	Ile	Gly	Arg	Leu	Ile	Ala	Glu	Cys	His	Leu	Asn	Pro	Ile	Ile	Leu
195					200					205					210
196	Pro	Leu	Trp	His	Val	Gly	Met	Asn	Asp	Val	Leu	Pro	Asn	Ser	Pro
197					215					220					225
198	Pro	Tyr	Phe	Pro	Arg	Phe	Gly	Gln	Lys	Ile	Thr	Val	Leu	Ile	Gly
199					230					235					240
200	Lys	Pro	Phe	Ser	Ala	Leu	Pro	Val	Leu	Glu	Arg	Leu	Arg	Ala	Glu
201					245					250					255
202	Asn	Lys	Ser	Ala	Val	Glu	Met	Arg	Lys	Ala	Leu	Thr	Asp	Phe	Ile
203					260					265					270
204	Gln	Glu	Glu	Phe	Gln	His	Leu	Lys	Thr	Gln	Ala	Glu	Gln	Leu	His
205					275					280					285
206	Asn	His	Leu	Gln	Pro	Gly	Arg								
207					290										

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/763,335

DATE: 08/26/2002

TIME: 14:19:21

Input Set : A:\pf0572usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763335.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:19 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD